

Manufacturing Chemists Association

PLASTICS COMMITTEE

Minutes of Meeting

Baltusrol Golf Club Springfield, N. J.

May 6, 1971

MEMBERS PRESENT

R. L. Schuyler, Chairman	E. I. du Pont de Nemours & Company
C. M. Neher, Vice Chairman	Ethyl Corporation
Henry Avery	USS Chemicals
C. E. Denoon, Jr.	Rohm and Haas Company
F. P. Ducatman (for E. W. Phares)	Dart Industries Inc.
E. S. Ebers	Uniroyal, Inc.
J. E. Eger	Enjay Chemical Company
G. M. Hale	Gulf Oil Canada Limited
T. B. Nantz	B. F. Goodrich Chemical Company
F. E. Reese	Monsanto Company
C. R. Scott	Phillips Petroleum Company
J. G. Temple, Jr.	The Dow Chemical Company
D. C. Williams	Eastman Chemical Products, Inc.
George E. Best, Secretary	MCA Staff

BOARD LIAISON PRESENT

H. E. Hirschland	M&T Chemicals Inc.
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MEMBERS ABSENT

J. J. Lenahan	Hooker Chemical Corporation
H. C. Wechsler	Borden Chemical Division of Borden, Inc.

1. Minutes of November 23, 1970 Meeting

The minutes were approved as distributed.

2. Membership

The Membership Committee consisting of Messrs. Nantz (chairman), Scott, and Williams, having been appointed by Mr. Schuyler by

letter prior to the meeting, recommended the following for the membership term June 1, 1971 to May 31, 1974, pending willingness of the new appointee candidates to serve:

C. M. Neher	- To permit continuation as an officer
J. E. Eger	- To extend his term in view of having been a member only one year, inasmuch as his company has not otherwise been represented over recent past years
Richard J. Hughes, Union Carbide	- For new appointment
William E. Kennel, Amoco	- " " "
Raymond H. Marks, Tenneco	- " " "

These candidates were chosen with due regard to avoiding dominant representation on the Committee of individual classes of synthetic resins in reference to either the number of manufacturing companies or industrial production capacity.

These recommendations were accepted, subject to approval of the proposed new appointments by the Board of Directors.

3. MCA Board of Directors' Liaison - H. E. Hirschland

Mr. Hirschland spoke briefly about his reporting on the Plastics Committee at the January 12 meeting of the Board Liaison Committee for Other Technical Committees, where he explained the current program is principally directed to plastics as a factor in solid wastes, and good coordination with SPI in program planning.

He mentioned the next meeting of the Liaison Committee will probably take place in the fall.

4. Plastics Financial Package

4.1 Fiscal Year 1970-71

Copies of a financial statement were distributed showing expenditures through April 30 (11 months) totaling \$52,940. This was explained to include all but a small remainder of the amount committed on contracts with DeBell & Richardson for the state-of-the-art study on plastics in solid wastes, revision of the report on that study, and the further study on incineration. No expenditures have yet been made for the printing of reports.

4.2 Fiscal Year 1971-72 Budget

The budget for the coming year submitted for formal approval by the Board of Directors is as follows:

Administrative	\$ 175
Travel & Meetings	750
Memberships	75
Research:	
Weatherability (NBS)	2,000
Waste Disposal (D&R)*	5,000
Reserve**	<u>64,000</u>
	\$ 72,000

*Annual up-date

**Project recommendations under current development

Surplus carry-over, due to not having committed all of the funds available in the current year, will permit reducing participating company assessments to \$60,000, down from about \$72,000, without decreasing the magnitude of the continuing program. There was general agreement that this respite, even though temporary, would be welcome in view of somewhat depressed business conditions.

5. Sponsored Projects

5.1 Plastics Solid Waste (DeBell & Richardson) - C. M. Neher

Dr. Neher summarized the final review and clearance of the state-of-the-art report for publication. The secretary displayed the "blue line" copy for the cover of the full report, "Solid Waste Management of Plastics," as well as the Summary section being printed separately in addition to being incorporated in the report itself. Printing is in progress.

Draft copies of the incineration report have been promised May 7, and they will be distributed immediately to Messrs. Neher, Nantz, and Temple for review. Thus it is to be expected their appraisal will be available for the next Committee meeting on June 9.

Mention was made also of a report, "Plastics in Solid Waste," by the Glass and Plastic Sub-Council of the National Industrial Pollution Control Council, dated March 1971 (20 pages). Through the intercession of Dr. Neher, members of the Plastics Committee were afforded an opportunity to submit comments on this report in draft, with substantial contributions from SPI as well.

5.2 Weatherability (National Bureau of Standards)

The secretary reported having been informed by Dr. Walter Rossiter (NBS) that all of the test data on the 1970 set of

weathered specimens has been computerized and graph extensions completed. He expects to complete his interpretations by the end of May, with issuance of a Grayback Report probably in July.

The 1971 specimens have been received from the exposure sites and were due to be mailed on May 5 to the first of the cooperating company laboratories for testing.

Two reports are still outstanding on the earlier major program on weatherability, with no indication yet as to when they will be forthcoming:

Outdoor Performance of Plastics:

VIII. Ultraviolet Spectral Reflectance

IX. Color

Dr. Joseph Clark, director of the project, who has continued at NBS in another capacity, planned also to write a summary report suitable for inclusion as a monograph in the Encyclopedia Britannica, to be available for MCA distribution in the form of a Grayback Report.

5.3 Future Program Recommendations - D. C. Williams

Messrs. Williams (chairman), Eger, and Temple were designated early in 1971 by Mr. Schuyler to develop program recommendations. Mr. Williams' approach was begun by sending a questionnaire to the Executive Representatives of Plastics Group companies inquiring as to (1) major obstacles to and major opportunities for plastics industry growth in the next five to ten years, (2) what resin producers are best able to do to overcome the obstacles and benefit from the opportunities, (3) specific objectives appropriate for Plastics Committee consideration, (4) whether concerns for attention should include imports of resins, (5) what might be done to improve the image of the plastics industry, and (6) other suggestions. Mr. Williams expressed much appreciation for the thoughtful reflection and many ideas evident in the 36 replies received. By letter of April 26 he presented a summary of the task group's analysis of the responses, and copies of this letter report were distributed to those present.

Interest was expressed by several members in seeing more of the details of the ideas contributed, and the secretary offered to provide a condensation. It was agreed any points obviously unsuitable for program consideration should be omitted, since their very circulation might lead to an erroneous inference.

Mr. Williams emphasized it was clear the membership strongly favored an active program of research, rather than a stand-by existence merely designed for reacting to problems that might arise. Many mentioned the environment and ecology -- mainly solid waste problems, i.e., incineration, reclamation, re-use -- as the area most justifying current attention, with flammability and weatherability less prominently cited. Surveillance of imports and legislative developments and the possibilities for improving public acceptance and appreciation of plastics were also among the general interests. There was complete agreement that MCA's program should be planned so as to complement that of SPI and any others having like objectives.

Mr. Williams indicated the task group was not ready to present specific recommendations, and Mr. Schuyler asked that their study be continued toward this objective. Mr. Reese suggested attempting to define what kinds of information are needed as the basis for selecting program projects.

6. Epidemiologic Study (Acroosteolysis)

The secretary reported MCA has a continuing contract with the University of Michigan, funded by a group of companies with interests in polyvinyl chloride in support of an Acroosteolysis Registry and Consultation Center to follow the history of employees examined in the extensive program conducted earlier. Dr. Dinman (U of M) has advised submission of case registry data has been slow; it is expected there will be sufficient interest to continue this data recording and radiograph interpretation service beyond the present contract term ending in August.

Reprints are now available on three technical papers describing the major study:

OCCUPATIONAL OSTEOLYSIS

- I. An Epidemiological Study
Bertram D. Dinman, M.D.; Warren A. Cook;
Walter M. Whitehouse, M.D.; Harold J. Magnuson, M.D.;
and Theodore Ditchek, M.D.
- II. An Industrial Hygiene Study
Warren A. Cook; Paul M. Giever, MPH;
Bertram D. Dinman, M.D.; and Harold J. Magnuson, M.D.
- III. A Clinical Study
Vernon N. Dodson, M.D.; Bertram D. Dinman, M.D.;
Walter M. Whitehouse, M.D.; Ahmed N. M. Nasr, M.D.;
and Harold J. Magnuson, M.D.

These papers were published in ENVIRONMENTAL HEALTH 22 No. 1 (January 1971).

As a related matter, the secretary mentioned Dr. P. L. Viola of the Regina Institute for Cancer Research, Rome, Italy, has published findings of cancer inducement in experimental animals from inhalation of vinyl chloride monomer vapor. Arrangements have been made through MCA to have Dr. Viola visit with interested members of MCA's Occupational Health Committee for further elaboration of his experimental data.

7. MCA Liaison to ANSI Committees A60, Z26, ISO/TC61

Mr. Schuyler announced he would confer with the secretary to designate liaison representatives to be named from among the considerable number of candidates nominated by various companies.

8. Commercial Standard CS147-47 - "Colors for Molded Urea Plastics"

The secretary reported having written to the National Bureau of Standards on March 1 to request continuation of this standard after having been assured by two companies it is serving a useful purpose commercially. In the same letter NBS was notified that standard color chips are not now, and have not for some years been, available from MCA as stated in the printed document.

9. Plastics Group Functions

9.1 Golf Outing, Baltusrol Golf Club, May 6, 1971

Advance registrations - 170.

9.2 Dinner, The Greenbrier, June 9, 1971

9.3 Conference and Outing, Seaview Country Club, September 7-11, 1971

Mr. Schuyler announced appointment of Mr. Scott as chairman of the Arrangements Committee, who in turn named Messrs. Avery (last year's chairman), Temple, and P. J. Weaver (Goodrich) as the other members.

Economics and ecology were generally regarded as the two subjects of prime interest in connection with Conference speaker considerations.

10. Plastics Committee - Future Meetings

June 9, 1971 5:30 PM White Sulphur Springs, W. Va.
September 8, 1971 7:30 AM Absecon, N. J.

George E. Best
George E. Best
Secretary

Minutes subject to approval

GEB:tp
May 20, 1971

cc: Mr. H. E. Hirschland
Alternates
Mr. B. M. Barackman
Mr. Lloyd Symington